

Peter

Please get the weight and  
specific gravity on this:

1722 Rosa with DEI GRATIA

Is it copper or spelter. That we  
will learn

WT  
4,33552 ± grams  
00004

Sp. gravity  
8.27 ± 0.01

in

not final

1722 Rosa Americana  $\frac{1}{2}$ d (farthing size). Aug. 21, 1978 Bowers and Ruddy Sale #8 - withdrawn before sale. Weight 3.28746 grams (50.7 grains). Specific gravity 8.89 (not 8.9477 as indicated). This variety has D. G. and AMERI abbreviations. It is generally a bright red copper color, but the dark areas on the obverse are not natural toning but surface deposit which falls off. It shows no wear. It is weak at the rose petal opposite R of ROSA and has parallel file marks across the petal into the field and going toward 22 of date. These file marks appear cast and not a result of planchet filing or damage to the coin after striking. Its edge is very smooth with thin scratch marks running around some of the edge and none running vertically. There is a small dent near the beading above the space between A and the stop following it. Letters in GEORGIUS are doubled by other than recutting and no other parts appear doubled. This seems to indicate movement during the casting process. There are two raised dots between R and E of REX which are also found on a genuine piece used for comparison.

I am unaware of this coin ever being made of copper. The metal of the Rosas series is tutanaingne (spelter) which is supposed to be a mixture of copper and zinc with a trifle of silver, but chemical tests on Rosas show 55% copper and 45% zinc with silver totally or virtually omitted. The specific gravity of the submitted piece is 8.89 as compared to a comparison example from the same dies which has a specific gravity of 8.29, the later being the correct density for a typical copper and zinc mixture. The comparison piece has vertical edge marks and all scratches running vertical on the edge. The comparison piece is heavier and thicker than the submitted piece and weighs 3.886 grams (60.0 grains). The comparison piece has no weak petals or no doubling of letters.

Prof. Peter Gaspar of St. Louis has assisted us substantially in the measurements and observations.

The submitted piece in our opinion is a very dangerous forgery and comes from a group of pieces containing other forgeries. It probably violates the Hobby Protection Act if made in recent years. It should not be returned by Bowers until a full disclosure and investigation of its source is made and perhaps not then.

Eric P. Newman

for

September, 1978

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY



Plain  
paper

not final

~~Sept 1978~~

ANACS, EF-2246, <sup>1722</sup> Rosa Americana 1/2d (farthing size). Aug. 21, 1978 Bowers & Ruddy Sale #8 — withdrawn before sale. Weight 3.28746 grams (50.7 grains), and has a specific gravity ~~of~~ 8.89 (not 8.9477 as indicated). This variety has D. G. and AMERI abbreviations. It is ~~a~~ <sup>generally a</sup> bright red copper color, but the dark areas on the obverse are not natural toning but ~~not off of~~ surface deposit which falls off. It shows no wear.

It is weak at the rose petal opposite R of ROSA and has parallel file marks across/ petal into the field and going toward 22 of date. These file marks appear cast and not a result of planchet filing or damage to the coin after striking. Its edge is very smooth with thin scratch marks running around some of the edge and none running vertically. There is a small dent near the beading above the space between A and the stop following it. Blotches of dark color on the obverse are dirt (not natural metal toning) and are easily removeable. Letters in GEORGIUS are doubled by other than recutting or double punching of letters and no other parts appear doubled. This <sup>seems to</sup> indicate movement during casting <sup>process</sup>. There are two raised dots between R and E of REX which are not found on a genuine piece used for comparison and these indicate ~~casting~~ gas bubbles ~~that~~ in the casting process.

I am unaware of this coin ever being made of copper. The metal of <sup>the</sup> Rosas series is tutanaingne (spelter) which is supposed to be a mixture of copper and zinc ~~and~~ <sup>with a touch of</sup> silver, but <sup>chemical</sup> tests on Rosas show 55% copper and 45% zinc with silver totally or virtually omitted. The specific gravity of the submitted piece is 8.89 as compared to a comparison example from the same dies which has a specific gravity of 8.29, the later being the correct density for a typical copper and zinc mixture. The comparison piece has vertical edge marks and all scratch ~~marks~~ running vertical on the edge. The comparison piece is heavier and thicker than the submitted piece and weighs 3.886 grams (60.0 grains). The comparison piece has no weak petals or no doubling of letters. ~~the comparison piece has no raised dots between~~

# Prof. Peter Gaspar <sup>of St Louis</sup> has assisted ~~me~~ us substantially in ~~the~~ the measurements and observations.

# The submitted piece in our opinion is a very dangerous forgery and comes from a group of pieces containing other forgeries. It probably violates the Hobby Protection Act if made in recent years. It should not be returned by Bowers until a full disclosure and investigation of its source is made and perhaps not then.

Sept 1978

Em ~~Em~~ for ~~Em~~ New Edm Soc



(not final)

~~very close to~~

Aug 21, 1978 Bowers + Ruddy Sale #8 ~~withdrawn before sale.~~

# EF 2246 Rosa Americana 1/2 d (farthing size).

Weight 3.28746 grams (50.7 grains) and has a specific gravity of 8.89 (not 8.9477 as indicated) this ~~variety has~~ D. G. and AMERI abbreviations. It is a lovely <sup>bright</sup> red copper color. It is weak at the rose petal opposite R of ROSA. Its edge is very smooth with ~~thin scratchy marks~~ running around some of the edge and none <sup>running</sup> vertically.

these file marks appear cast and not result from planchet filing or damage to the coin after striking.

marks across the petal into the field and going toward 22 of date. There is a small dent ~~between~~ near the heading above the space between A ~~and the~~ stop following it. Blotches <sup>of dark color</sup> on the obverse are dirt and easily removable. Letters in GEORGIUS are doubled by other than <sup>or double punching</sup> cutting of letters and no other parts appear doubled. This indicates ~~some~~ movement during casting.

(not natural metal toning)

I am unaware of this coin <sup>ever</sup> being made of copper. The metal of ~~comparable samples~~ <sup>Rosas</sup> is tutanaingone (spelter) which is <sup>supposed to be a</sup> mixture of copper, zinc and ~~silver~~ silver, but tests on Rosas show 55% copper and 45% zinc with silver ~~of~~ totally or virtually omitted. The specific gravity of the <sup>submitted</sup> piece is 8.89 as compared to a comparison <sup>from the same dies</sup> example which has a specific gravity of 8.29, <sup>the later being the</sup> correct <sup>density</sup> for a typical copper and zinc mixture. The comparison piece has vertical edge marks and ~~all scratch marks~~ <sup>all scratch marks</sup> running vertically on the edge. The comparison piece is heavier and thicker than the submitted piece and weighs 3.886 grams (60.0 grains). The comparison piece has no weak petals or no doubling of letters.

In our opinion ~~this~~ <sup>this is</sup> an extremely dangerous ~~to~~ forgery struck from dies made by <sup>a molding</sup> process. This is not an electrotpe but the dies <sup>could</sup> be ~~made~~. It may be a dental <sup>remolding</sup> process. This is a modern fabrication and violates the Hobby Protection Act but that requires proof of its date of manufacture.

Since this comes from a source <sup>associated with</sup> ~~other~~ dangerous forgeries a full investigation of the matter is justified. Perhaps it should not be returned <sup>unless</sup> full disclosure of its <sup>is made</sup> background by the Bowers consignors.

This was lot #8 in the Bowers + Ruddy Sale of Aug 21, 1978 but was withdrawn. Peter Gaspar has assisted me in this analysis.



not final

EF 2246 Rosa Americana 1/2d (farthing size)

Wt 3.2874 grams = 50.7 grains

Sp gr 889

~~Sp. gr 8.9477408 = OK for copper.~~

This coin is copper and in the wrong metal.  
It should be Tutanaigne.

Comparing it to a coin from identical dies in my collection I find it:

— short weight (mine weighs )

The edge is entirely too smooth

The rose petal between 2 and R is very weak  
~~from~~ for no reason.

It is much thinner than mine

doubling of letters on obv. of Branigan piece  
looks strange - as if it occurred during die  
making, but not by double punching of letters.

EPN's piece has filed edge  
with marks across edge  
Branigan has marks parallel to faces

1722 Rosa Americana  $\frac{1}{2}$ d (farthing size). Aug. 21, 1978 Bowers and Ruddy Sale #8 - withdrawn before sale. Weight 3.28746 grams (50.7 grains). Specific gravity 8.89 (not 8.9477 as indicated). This variety has D. G. and AMERI abbreviations. It is generally a bright red copper color, but the dark areas on the obverse are not natural toning but surface deposit which falls off. It shows no wear. It is weak at the rose petal opposite R of ROSA and has parallel file marks across the petal into the field and going toward 22 of date. These file marks appear cast and not a result of planchet filing or damage to the coin after striking. Its edge is very smooth with thin scratch marks running around some of the edge and none running vertically. There is a small dent near the beading above the space between A and the stop following it. Letters in GEORGIUS are doubled by other than recutting and no other parts appear doubled. This seems to indicate movement during the casting process. There are two raised dots between R and E of REX which are also found on a genuine piece used for comparison.

I am unaware of this coin ever being made of copper. The metal of the Rosas series is tutanaingne (spelter) which is supposed to be a mixture of copper and zinc with a trifle of silver, but chemical tests on Rosas show 55% copper and 45% zinc with silver totally or virtually omitted. The specific gravity of the submitted piece is 8.89 as compared to a comparison example from the same dies which has a specific gravity of 8.29, the later being the correct density for a typical copper and zinc mixture. The comparison piece has vertical edge marks and all scratches running vertical on the edge. The comparison piece is heavier and thicker than the submitted piece and weighs 3.886 grams (60.0 grains). The comparison piece has no weak petals or no doubling of letters.

To check further a 1722 Rosa  $\frac{1}{2}$ d which had a copper color rather than brassy color and which had DEI GRATIA instead of D.G. was compared and it weighed 4.33552 grams (66.8 grains) and had a specific gravity 8.27 showing that it was a mixture of copper and zinc.

Prof. Peter Gaspar of St. Louis has assisted us substantially in the measurements and observations.

The submitted piece in our opinion is a very dangerous forgery and comes from a group of pieces containing other forgeries. It probably violates the Hobby Protection Act if made in recent years. It should not be returned by Bowers until a full disclosure and investigation of its source is made and perhaps not then.

Eric P. Newman

for

September, 1978

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY



Insert  
for  
EF-2246

To check further a 1722 Rosa 1/2d ~~mint~~ which had  
~~DEI GRATIA~~ ~~was found to weigh 4.3355g~~  
a ~~green~~ copper color rather than brassy color and which  
had DEI GRATIA instead of D.G. was compared and  
it weighed 4.3355g grams (66.8 grains) and had  
a specific gravity 8.27 showing that it ~~was~~ was  
a mixture of copper and zinc.





B+R 8/21/78 #8

CREDIT TO:  
ANA  
CERTIFICATION SERVICE  
813 N. Colorado  
Colorado Springs, Colo. 80903

EF-2240

EF-2246, Lot #8, 1722 Rosa Americana Halfpenny ( $\frac{1}{2}$ d), D:G: REX. Obverse. Doubling exists on: GEORGIUS . D : G as well as on top ribbon and upper part of profile. In comparing this specimens with known genuines, I find very similar doubling, so cannot attribute this feature to slippage in casting. The reverse shows doubling at : DULCI . ~~1772~~ <sup>1772</sup> . ROSA . AMER. The edge is indicative of casting. The file marks on the rose petal are too smooth to have been made on this specimen, but appear to ~~be cast~~ <sup>BE CAST</sup> from the original. What appear to be depressed circles on the obverse to the right of the top leaf and slightly below it, are actually the centers of curls which were not brought out in full sharpness, evidently due to a fault in the casting process. The comparison chart below, using 4 known genuines, show this specimen to be the lightest in weight, the thinnest, and next to the narrowest in diameter. The weights are in grains, the at the widest diameter, and the thickness at the center of the coin, to the ten thousandths of an inch. The numbers on the control specimens are my inventory numbers, with the month and year of purchase. 7566 11/72 can be pedigreed to about 1900 or before.

ITEM	WEIGHT	DIAMETER	THICKNESS
8172-8/74	78.75	0.8633	0.0864
5651-2/68	57.75	0.8297	0.0737
7510-10/72	55.50	0.8606	0.0655
7566-11/72	54.50	0.8436	0.0684
EF-2246 ANACS	50.75	0.8343	0.0618

Since it is a general rule that casts are usually slightly smaller than the originals from which they were made, this is a further indication that EF-2246 is a cast. Under high magnification, a few tiny bubbles and pits appear. Though the coin has the appearance of normal copper (which it shouldn't have), the edge has definitely been artificially colored.



Pucher





CREDIT TO:  
ANA  
CERTIFICATION SERVICE  
1111 Colorado  
Colorado Springs, Colo. 81901

BIR #8

EF-2246





CREDIT TO:

ANA

CERTIFICATE OF SERVICE

Colorado

BAR #8

EF-2246





B + E #8

1 - 2240



B + R #8

EF-2246





B+E 8/21/78 #8

EF- 2246

KODAK SAFETY FILM 6043

KODAK SAFETY FILM 6043





CREDIT TO:

ANA

CERTIFICATION SERVICE

818 N. Cascade  
Colorado Springs, Colo. 80903

BAR #8

LF - 2246

KODAK SAFETY FILM 6043

KODAK SAFETY FILM 6043



CREDIT TO:

ANA

CERTIFICATION SERVICE

818 N. Casco

Colorado Springs, Colo. 80903

BAR #8

EF-2246